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ON THE

FLORA OF PRESTON

AND

ITS NEIGHBOURHOOD.

BY

MR. CHARLES JOSEPH ASHFIELD.

LIVERPOOL:
T. BRAKELL, PRINTER, COOK STREET.

1858.

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ON THE FLORA OF PRESTON AND ITS NEIGHBOURHOOD.

By Mr. Charles Joseph Ashfield.

(Read 21st January, 1858.)

Salicornia herbacea, Linn.—Ashton marsh. Sea shore above Southport.

Hippuris vulgaris, Linn.—Plentifully in ditches between Rufford and Martin mere.

Callitriche verna, Linn.—Brook between the tram-road and Walton hall gardens, and in many other similar places about Preston.

Ligustrum vulgare, Linn.—By the side of the footpath by the Larches at Ashton, and in many other places about Preston.

Fraxinus excelsior, Linn.—Frequent in woods and hedges.

Veronica serpyllifolia, Linn.—In Walton hall gardens, by Rufford park wall, and plentifully in clover fields about Rufford. Frequent in pastures between the tram-road and Walton hall gardens.

—— *Beccabunga*, Linn.—Very common in brooks and ditches throughou the district.

—— *anagallis*, Linn.—In brooks and ditches in many places, but not so frequent as the last. Ditches between Kirkham and Freckleton, plentifully.

—— *scutellata*, Linn.—Brook between the tram-road and Walton hall gardens. Near Nicky Nook, Garstang; on Ribbleton moor.

—— *Chamædrys*, Linn.—Common on dry hedge banks throughout the district.

—— *officinalis*, Linn.—Occasionally in similar situations to the last; Ribbleton moor.

—— *montana*, Linn.—Woods about Redscar very plentifully; in the grounds belonging to Walton hall, abundantly.

—— *agrestis*, Linn.—Not uncommon in cultivated ground. In Walton hall gardens.

—— *polita*, Fries.—On a bank at Greave's Town, Ashton.

—— *arvensis*, Linn.—Frequent on walls and dry banks, and in fields. In Walton hall gardens.

—— *hederifolia*, Linn.—On a wall by the side of the road leading by Whinfield house to the Larches at Ashton. Not uncommon in similar places. Very abundant in dry corn fields about Rufford.

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Pinguicula vulgaris, Linn.—Common in wet places on Pendle hill.

Utricularia vulgaris, Linn.—Brooks and ditches at Martin mere. I have been informed that this plant has been found in the canal near Preston, and in pits near Kirkham.

——— *minor*, Linn.—I have seen a dried specimen of this plant which was found on Leyland moss.

Lycopus Europæus, Linn.—Frequent by the sides of brooks and pits.

Circæa lutetiana, Linn.—Plentifully in Penwortham churchyard. Ditch by the side of the footpath leading from the tram-road to Walton hall gardens. In several shady lanes and woods about Preston.

Lemna trisulca, Linn.—Pit beyond the Tunbrook wood, and in similar situations occasionally. Pit near the cemetery.

—— *minor*, Linn.—Abundantly on the surface of ditches and pools.

—— *gibba*, Linn.—Ditches and pools on Ribbleton moor.

Anthoxanthum odoratum, Linn.—Plentifully in meadows and pastures.

Valeriana officinalis, Linn.—Frequently in marshy places and ditch sides. Abundantly in several places between the tram-road and Walton.

——— *dioica*, Linn.—Meadows near Cottam mill; near Nicky Nook.

Fedia olitoria, Vahl.—A weed in Walton hall gardens.

Iris Pseud-acorus, Linn.—Very frequent in marshy places. Abundantly near the footpath below Brockholes wood.

Scirpus cæspitosus, Sm.—On Longridge fell.

—— *lacustris*, Linn.—Not uncommon by the sides of rivers and pools. Abundant and fine by the side of Marton mere, near Blackpool.

—— *maritimus*, Linn.—River side at Naze point, and in many localities between that place and Lytham. Ashton marsh, near Whinfield house.

—— *sylvaticus*, Linn.—I am informed that this plant grows near Sion hill, Ribbleton.

Eleocharis palustris, Br.—Common on marshy ground and by pools.

Eriophorum vaginatum, Linn.—Common on Pendle hill; plentifully on the moors between Black Coppice and Rivington Pike.

—— *angustifolium*, Roth.—Common on Pendle hill; Ribbleton moor.

Montia fontana, Linn.—Spring by the side of the road from Cottam hall to the Chapel, and in many similar places about Preston.

Dipsacus sylvestris, Linn.—Between Greave's Town and the marsh.

Scabiosa succisa, Linn.—Abundant in many places about Longridge on the fell sides.

Knautia arvensis, Coult.—Common in the borders of corn-fields.

Sherardia arvensis, Linn.—Frequent in corn-fields; common in fields near Stydd church.

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Asperula odorata, Linn.—Melling's wood, and in several other woods about Preston.

Galium uliginosum, Linn.—Frequent by the sides of brooks and pits.

—— *cruciatum*, Linn.—Frequent by hedges and road sides.

—— *palustre*, Linn.—Frequent in marshy ground and by brooks and pits.

—— *saxatile*, Linn.—On Ribbleton moor; in several places about Clitheroe. Dry banks and walls about Rufford towards Martin mere.

—— *Mollugo*, Linn.—Occasionally in hedges near Beacon fell. See part II. p. 3 and

—— *verum*, Linn.—Brook side at Fulwood. Not unfrequently in pastures about Preston.; banks between Naze Point and Lytham, plentifully. in p. 5.

—— *aparine*, Linn.—Common in most hedges in the district.

Plantago major, Linn.—Common in pastures and by road sides.

—— *maritima*, Linn.—Frequent in Lea marsh and in similar situations.

—— *media*, Linn.—In several places between Clitheroe and Pendle hill; not uncommon in fields about Preston.

—— *lanceolata*, Linn.—Common by road sides and in pastures throughout the district.

—— *Coronopus*, Linn.—Plentiful in dry places on Ashton marsh.

Sanguisorba officinalis, Linn.—Very common in some of the fields between Walton flats and the tram-road; also in fields at the back of the Bridge inn, Penwortham.

Cornus sanguinea, Linn.—Frequent in hedges about Elston and Fishwick, and various other places.

Parietaria officinalis, Linn.—Abundantly on Clitheroe castle.

Alchemilla vulgaris, Linn.—Not uncommon in pastures and by the side of brooks generally in the district, and abundant in some places. Plentiful in one of the fields between the tram-road and Walton flats.

—— *arvensis*, Sm.—Frequent in the borders of corn-fields. A common weed in some gardens.

Ilex Aquifolium, Linn.—Not uncommon in hedges and bushy places about Clitheroe and Longridge, apparently natural.

Potamogeton natans, Linn.—Frequent in pits.

—— *perfoliatus*, Linn.—In the canal above Preston.

—— *rufescens*, Schrad.—In several pits near the cemetery.

—— *densus*, Linn —Frequent in the canal above Preston. Ditch by the side of the tram-road.

—— *crispus*, Linn.—Canal near Preston.

—— *pusillus*, Linn.—I am told that this plant grows on Ashton marsh.

Sagina procumbens, Linn.—Frequent on walls and in dry gravelly places.

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Sagina apetala, Linn.—In similar places to the last.

Myosotis palustris, "Kiphoff."—Very frequent in marshy places. Brook between the tram-road and Walton.

—— *collina*, Hoffm.—I am informed that this plant is to found among the sand hills at Lytham.

—— *cæspitosa*, Schultz.—Frequent in similar situations to Myosotis palustris.

—— *arvensis*, Hoffm.—Frequent in cultivated ground.

—— *sylvatica*, Hoffm.—Woods about Redscar.

—— *versicolor*, Lehm.—By the side of the Dow brook, below the camp at Kirkham.

Anchusa sempervirens, Linn.—At Rufford near the inn by the side of the road leading to the park, but perhaps not truly wild; also at Ribbleton, but doubtfully wild.

Cynoglossum officinale, Linn.—Very abundant on most of the sandhills between Lytham and Blackpool.

Symphytum officinale, Linn.—Ditch near Penwortham turnpike, and occasionally by the sides of brooks and ditches near Preston. On the quoiting ground at the public house by the North Union Railway bridge, Preston.

Lycopsis arvensis, Linn.—Occasionally in corn-fields, by road sides, and on rubbish heaps. On the beach at Lytham.

Primula vulgaris, Huds.—Very common in thickets, hedges and banks throughout the district.

—— *elatior*, With.—In the Tunbrook wood occasionally, and in pastures in the neighbourhood. In pastures near Greave's Town, Ashton.

—— *veris*, Linn.—Meadows and pastures. Pastures at the back of the Bridge inn, Penwortham, abundantly.

—— *farinosa*, Linn.—I am informed that this plant grows on Pendle hill, in similar places to the Pinguicula vulgaris.

Menyanthes trifoliata, Linn.—Very abundant in pools on Ribbleton moor, and in many similar places about Preston.

Hottonia palustris, Linn.—Ditches about Rufford towards Martin mere. I am told that it is also to be found in ditches about Lytham.

Lysimachia vulgaris, Linn.—By the side of the brook between the tram-road and Walton. By the side of Penwortham lodge.

—— *Nemorum*, Linn.—Frequent in woods in the neighbourhood. Woods about Redscar abundantly.

—— *Nummularia*, Linn.—Occasionally in wet meadows, especially along open drains and trenches.

Anagallis arvensis, Linn.—Frequent in the borders of corn-fields and in gardens. Abundant in corn-fields between Hesketh bank and Crossons.

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Anagallis tenella, Linn.—Plentifully in marshy places between Lytham and the lighthouse. Wet hedge bank by the side of the road between Ormskirk and Halsall. About Nicky Nook abundantly.

Convolvulus sepium, Linn.—Plentifully in the hedge on the north side of the Ribble at Preston.

—— *arvensis*, Linn.—Borders of corn-fields and on dry banks.

—— *Soldanella*, Linn.—On the sea shore about a mile and a half from Blackpool towards Lytham.

Campanula rotundifolia, Linn.—Frequent on hedge banks and in dry pastures in every direction.

—— *latifolia*, Linn.—Ditch between the tram-road and the East Lancashire railway viaduct. Ditch by the side of the footpath leading from Penwortham bridge to Penwortham church, and several other similar places near Preston. In several places near the road from Longridge to Chipping. Holland wood, Walton-le-dale very abundant.

—— *hederacea*, Linn.—I am informed that this plant grows at Nicky Nook near Garstang.

Jasione montana, Linn.—In several places about Whittle, particularly by the canal side near Whittle springs.

Viola odorata, Linn.—Hedge bank near Roach bridge, north side of the Darwen. It is said to grow at Fishwick, and also on a hedge bank on the Wood Plumpton road.

—— *canina*, Linn.—Common on hedge banks, and in pastures and waste land throughout the district.

—— *palustris*, Linn.—Ribbleton moor plentifully. Wood at Nicky Nook. Marshy ground near Pickering castle, Whittle, abundantly.

—— *tricolor*, Linn.—Fields between Hesketh bank and Crossons. Frequent about Rufford.

Hyoscyamus niger, Linn.—By the side of the footpath leading from Hesketh bank to Crossons.

Solanum dulcamara, Linn.—In hedges occasionally, near Whittle springs. In many places near Preston.

Erythræa Centaurium, Pers.—In great abundance near the guide's house below Freckleton; also between Lytham and the lighthouse. and in similar places above Southport.

—— *littoralis*, Hook.—Among the sandhills above Southport.

Samolus Valerandi, Linn.—Plentifully between Lytham and the lighthouse Road-side between Ormskirk and Halsall.

Lonicera Periclymenum, Linn.—Abundantly in hedges between Roach bridge and the road to Whalley. In hedges in many places near Preston.

Euonymus Europæus, Linn.—Shrubbery at Walton hall, perhaps not truly wild.

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Ribes rubrum, Linn.—Occasionally by the side of brooks. Salwick brook, near Cottam mill, and in several hedges in the neighbourhood.

—— *nigrum*, Linn.—By the side of Salwick brook, near Cottam mill.

—— *alpinum*, Linn.—Hedge on the right-hand side of the road from Preston to Wood Plumpton, about a mile from the turning out of the Ashton road. Hedge on the right-hand side of the road from Longridge to Chipping.

—— *Grossularia*, Linn.—Occasionally in hedges, but not very common. Lane on the right-hand side of the road between the Sumpter's house and Tardy gate. Between Walton wood and the road.

Hedera Helix, Linn.—Common in woods and on old trees in hedge rows everywhere in the district.

Glaux maritima, Linn—On the sea-coast at Lytham and Blackpool abundantly.

Vinca minor, Linn.—Abundantly on a bank in a wood near the Larches, between the footpath and Ashton marsh, but perhaps not truly wild.

Chenopodium Bonus Henricus, Linn.—Frequent in waste ground and by road sides.

—— *maritimum*, Linn.—I am told that this plant is to be fonnd near Lytham.

—— *intermedium*, Koch.—Common in waste ground and on dunghills.

Salsoli Kali, Linn.—On the sandy sea shore about Lytham and Southport.

Ulmus campestris, Linn.—Occasionally in woods.

—— *montana*, Bauh.—Occasionally in woods near Whitewell.

—— *glabra*, Mill.—In woods.

Gentiana Pneumonanthe, Linn.—Ribbleton moor abundantly.

—— *amarella*, Linn.—Abundantly on hills about Rawtenstall.

—— *campestris*, Linn.—Plentifully between Lytham and the lighthouse.

Eringium maritimum, Linn.—Sea shore at Lytham.

Hydrocotyle vulgaris, Linn.—In swampy places not unfrequently. Plentifully in a marshy field near the river Loud, between Longridge and Chipping. Ribbleton moor abundantly.

Sanicula Europæa, Linn.—Frequently in woods near Preston. Brockholes wood. Wood between the tram-road and Walton.

Caucalis latifolia, Linn.—A solitary specimen of this was found during the present year in the yard at the back of the office of the Deputy Clerks of the Peace in Preston.

Torilis anthriscus, Gærtn.—Not unfrequently in hedges and waste ground.

Anthriscus vulgaris, Pers.—By the road-side near the barracks at Fulwood.

Scandix Pecten, Linn.—In corn-fields occasionally.

Myrrhis odorata, Scop.—In several places by the side of the brook near

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Chipping towards Whitewell. Orchard at the back of the Talbot Arms inn, Chipping. In many places near the lead mine brook below Rivington pike.

Chærophyllum sylvestre, Linn.—Very common in waste places and pastures.

Daucus carota, Linn.—Brook-side at Fulwood. In many places near the Naze point and Lytham. Field between the tram-road and Walton.

Bunium flexuosum, With.—On hedge banks and in dry pastures occasionally. Abundantly in a wood between the tram-road and Walton hall.

Sium nodiflorum, Linn.—In brooks and ditches not unfrequently. Ditches near the cemetery.

—— *angustifolium*, Linn.—Pit between Kirkham and Little Marton.

~~*Sison Amomum*, Linn.—In hedges occasionally. By the side of the tram-road.~~ v. hand MS. h. 3.

Æthusa Cynapium, Linn.—Lane from Avenham to Walton. Generally in gardens and cultivated ground. About Rufford.

Conium maculatum, Linn.—Frequent in hedges and waste ground.

Œnanthe fistulosa, Linn.—Not unfrequently in pools and ditches. Very common in ditches about Martin mere. Pit by the side of tram-road.

—— *Phellandrium*, Linn.—Ditches about Martin mere.

—— ~~*pimpinelloides*~~, Linn.—Marshes between the Naze point and Lytham abundantly. v. h. III. h. 2

Smyrnium Olusatrum, Linn.—I am informed that this plant grows between Warton and Lytham.

Apium graveolens, Linn.—Occasionally in ditches and marshy places. Near Preston cemetery. Very abundant in many places between Rufford and Martin mere.

Ægopodium Podagraria, Linn.—Abundantly by the side of the lane leading from near Walton bridge towards Melling's wood. Also by the side of the footpath near the Larches at Ashton.

Pimpinella Saxifraga, Linn.—Frequent in dry pastures and by road sides.

——— *magna*, Linn.—Not uncommon about Preston. Abundantly among the old lime works near Clitheroe.

Pastinaca sativa, Linn.—Borders of fields near Leyland and Euxton.

Heracleum Sphondylium, Linn.—Borders of fields in the district generally.

Viburnum Opulus, Linn.—Woods on each side of the toll-bridge on the Blackburn new road.

Sambucus nigra, Linn.—Frequent in woods and hedges.

Parnassia palustris, Linn.—Abundantly between Lytham and the lighthouse. Also in similar spots north of Southport.

Statice Armeria, Linn.—In sandy ground in Ashton marsh abundantly.

——— *Limonium*, Linn.—Sea shore, Knot end, opposite to Fleetwood.

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Linum catharticum, Linn.—Dry pastures. Frequently about Clitheroe, particularly towards Pendle hill. Also about the Naze point.

Drosera rotundifolia, Linn.—Ribbleton moor. Leyland and Farringdon mosses. Pilling moss.

—— *longifolia*, Linn.—Leyland moss. Pilling moss.

—— *Anglica*, Huds.—Leyland moss. Pilling moss.

Galanthus nivalis, Linn.—Hedge bank near the fourth mile stone from Preston, about two fields to the right of the Lancaster road.

Narcissus Pseudo-Narcissus, Linn.—In several hedges and fields by the side of the road about a mile beyond the church at Walton-le-dale.

Allium ursinum, Linn.—Very abundantly in the wood between the tram-road and Walton hall. Also in many other places about Preston.

Ornithogalum umbellatum, Linn.—In a thicket near Cottam hall, by the side of the footpath leading into the Wood Plumpton road.

Gagea lutea, Ker.—On both sides of the lane leading from the Blackburn road to Cuerdale hall. I have been informed by a person that he has found this plant near Accrington.

Hyacinthus non-scriptus, Linn.—Woods near Walton, and in many other places about Preston in great abundance.

Asparagus officinalis, Linn.—A few plants of this species are to be found each year among the sand hills at Lytham, and I understand were found there many years ago; but probably they are not truly wild.

Narthecium Ossifragum, Huds.—Plentiful in wet places on Longridge fell, and in many other similar places about Preston.

Acorus Calamus, Linn.—In a pit by the footpath to the cemetery, where it is this year (1858) flowering in considerable quantities. Pit on the Moor hall estate. By the side of the tram-road.

Juncus glaucus, Sibth.—Frequent in wet pastures.

—— *effusus*, Linn.—Frequent in wet pastures.

—— *conglomeratus*, Linn.—Common in wet pastures.

—— *squarrosus*, Linn.—Common on wet heathy ground.

—— *compressus*, Jacq.—Common in wet pastures. Marshes between the Naze point and Lytham.

—— *bufonius*, Linn.—Common in marshy fields.

—— *uliginosus*, Sibth.—Common in wet swampy meadows.

—— *acutiflorus*, Ehrt.—Common in boggy places and ditches.

Luzula pilosa, Willd.—Dry banks by the side of woods near Redscar.

—— *campestris*, Br.—Frequent in dry pastures near Preston. Field at the further side of the cemetery.

—— *sylvatica*, Bich.—Wood at Nicky Nook.

Berberis vulgaris, Linn.—Plentifully in a hedge between Rufford and

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Martin mere. I have not met with it elsewhere in this part of the county, but last year I found it within a few yards of the Hodder, on the Yorkshire side near Dawford bridge. I have been told that it grows in a hedge near the Preston cemetery.

Peplis Portula, Linn.—Ditch on Ribbleton moor.

Rumex crispus, Linn.—Frequent in waste places and pastures and by road sides.

—— *pulcher*, Linn.—Frequent on heaps of rubbish and by road sides.

—— *sanguineus*, Linn.—Frequent in woods and waste ground.

—— *palustris*, Sm.—Common in boggy and marshy ground and ditches.

—— *obtusifolius*, Linn.—Common in fields and waste places.

—— *Acetosa*, Linn.—Frequent in meadows and pastures about Preston.

—— *Acetosella*, Linn.—On dry hedge banks and in waste places abundantly.

Triglochin palustre, Linn.—Ashton marsh and near Nicky Nook. Marshy ground above Walton wood.

—— *maritimum*, Linn.—Ashton marsh.

Alisma Plantago, Linn.—Brook between the tram-road and Walton. Very common in ditches and ponds about Preston.

—— *ranunculoides*, Linn.—In open drains and trenches on Ribbleton moor, and not unfrequently in similar situations about Preston.

Epilobium angustifolium, Linn.—Plentiful on Pilling moss, near Rawcliffe.

—— *hirsutum*, Linn.—Ditches in the fields at the back of the Bridge inn, Penwortham, and in many similar places about Preston.

—— *parviflorum*, Schub.—Frequently in ditches in the neighbourhood.

—— *montanum*, Linn.—Near Hoghton tower and in several other places.

—— *palustre*, Linn.—Frequent in marshy ground, and by the side of ditches and brooks.

—— *tetragonum*, Linn.—In similar places to the last.

Chlora perfoliata, Linn.—Abundantly in the bottoms among the sandhills north of Southport. Near Roach bridge, on the side of the Darwen nearest to Hoghton tower.

Vaccinium Myrtillus, Linn.—Plentiful on Longridge fell and other hills in the neighbourhood.

—— *Vitis-idæa*, Linn.—Pendle hill.

—— *Oxycoccos*, Linn.—Longridge fell. Pendle hill. Beacon fell, in great abundance. Plentifully on Pilling moss.

Calluna vulgaris, Salsb.—Very abundant on Longridge fell.

Erica cinerea, Linn.—Longridge fell.

—— *Tetralix*, Linn.—Longridge fell, Pendle hill.

Acer Pseudo-platanus, Linn.—In woods and by the sides of rivers plentifully.

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Acer campestre, Linn.—Frequent in woods.

Polygonum Bistorta, Linn.—Frequent in meadows and pastures. Meadows below Walton lodge.

—— *aviculare*, Linn.—Frequent by road sides and in waste places.

—— *Convolvulus*, Linn.—Not uncommon in cultivated and waste ground and in corn fields. Common about Leyland and Croston.

—— *amphibium*, Linn.—Frequent in ditches and ponds. By the side of the canal in many places.

—— *Persicaria*, Linn.—Field between the tram-road and Walton.

—— *lapathifolium*, Linn.—In the same field as the last.

—— *Hydropiper*, Linn.—Frequent in ditches and ponds.

Paris quadrifolia, Linn.—Wood at Walton-le-dale. Also in the woods at Redscar and the Tunbrook. Wood between the tram-road and Walton.

Adoxa Moschatellina, Linn.—Hedge banks on each side of South Meadow lane; also of Watery lane, Fishwick, and in many other similar places.

Butomus umbellatus, Linn.—In the canal a short distance north of Preston. Pit near the footpath to Cadaley mill with Stratiotes aloides.

Andromeda polifolia, Linn.—Farringdon moss and Pilling moss.

Pyrola rotundifolia, Linn.—Abundantly between Lytham and the lighthouse.

Chrysosplenium alternifolium, Linn.—In several places on the bank of a brook near the footpath leading from Sion hill, Ribbleton moor, to Fulwood barracks. By a rivulet between Parlike pike and Chipping.

—— *oppositifolium*, Linn.—Very common by the sides of brooks and springs.

Saxifraga ~~*umbrosa*~~, Linn.—Near Lower Lee, Wyersdale, by the side of a brook running into the Wyre. By the side of a brook a little to the north of Rawtenstall.

Scleranthus annuus, Linn.—Frequent in corn fields with a dry soil.

Saponaria officinalis, Linn.—In a hedge by the north side of the Ribble between Preston and Walton. Plentifully in several places near Ribchester bridge. By the side of the Calder near its junction with the Ribble.

Silene inflata, Sm.—Frequent in fields and waste places.

—— *maritima*, With.—Under the sand hills at Lytham. Abundantly on the shore near Lytham, in the direction of the Naze point.

Stellaria nemorum, Linn.—Melling's wood and South Meadow lane.

—— *media*, With.—Very common both in cultivated and waste ground.

—— *holostea*, Linn.—Frequent on hedge banks and in woods.

—— *graminea*, Linn.—Frequent in hedges and bushy places.

—— *uliginosa*, Murr.—Wet places in the wood between the tram-road and

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Walton, and in the brook below it, and in several other similar places near Preston.

Honckenya peploides, Ehrt.—Sandy places on the banks of the Ribble below Preston frequently.

Arenaria trinervis, Linn.—Melling's wood. Wood at Nicky Nook.

—— *serpyllifolia*, Linn.—Plentifully in dry places on Ashton marsh.

—— *rubra*, Linn.—Frequent in sandy corn fields. Between Hesketh bank and Crossons. Plentifully in a field between Whittle springs and Pickering castle.

—— *marina*, Oed.—Ashton marsh frequently.

Sedum Telephium, Linn.—Clitheroe castle. Hedge at Heapey.

—— *acre*, Linn.—Abundantly in dry places in Ashton marsh. Farm yard wall at Elston.

Oxalis Acetosella, Linn.—Very common in woods and on shady hedge banks.

Lychnis Flos-cuculi, Linn.—Common in wet meadows and marshy places.

—— *sylvestris*, Hob.—Very common in woods and on shady hedge banks.

Cerastium vulgatum, Linn.—Frequent on banks and in waste ground.

—— *viscosum*, Linn.—Frequent in similar places to the last.

—— *semidecandrum*, Linn.—Not uncommon on walls and sandy waste ground.

Spergula arvensis, Linn.—Frequent in corn fields.

—— *nodosa*, Linn.—Ashton marsh frequently. Between Lytham and the lighthouse.

Lythrum salicaria, Linn.—Marshy place by the side of the tram-road, and in many similar places near Preston.

Agrimonia Eupatoria, Linn.—Frequent in the margins of fields and by hedge sides.

Reseda Luteola, Linn.—Frequent about Clitheroe. Between the Naze point and Lytham.

Prunus Padus, Linn.—In several places between Longridge and Knowl green. A fine tree between Ribchester bridge and Salesbury hall. Hedge below Pickering castle, near Whittle springs.

—— *Cerasus*, Linn.—Woods between the Blackburn new road and Redscar abundantly. Wood between the tram-road and Walton.

—— *insititia*, Linn.—In a hedge near the footpath above Walton wood.

—— *spinosa*, Linn.—Very frequent in hedges.

Mespilus Oxyacantha, Gærtn.—Frequent in woods.

Pyrus malus, Linn.—Frequent in woods and hedges.

—— *Aucuparia*, Gærtn.—In mountainous woods. About Longridge and Clitheroe. Not unfrequent about Uplands near Broughton.

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Spiræa Ulmaria, Linn.—Frequent in meadows and by the sides of brooks and ditches. Meadows at the back of the Bridge inn, Penwortham.

Rosa spinosissima, Linn.—Frequent in hedges and on dry banks. Hedges near the Grange at Penwortham abundantly. Between Tarleton and Hesketh bank abundantly.

—— *Sabini*, Woods.—Woods about Redscar and Boilton. Wood by the side of the Ribble at Clitheroe.

—— *canina*, Linn.—Very common in hedges.

—— *arvensis*, Huds.—Thicket near the footpath by the side of the Salwick brook, in the field next the road leading to Lea road station, the further side from Preston.

Rubus Idæus, Linn.—Penwortham wood. Woods by the side of the river Brock very abundantly. By the sides of the road between Loud bridge and Beacon fell.

—— *cæsius*, Linn.—Frequent in woods and on hedge banks.

—— *Corylifolius*, Sm.—Not unfrequent in hedges. Hedge by the side of the tram-road.

—— *fruticosus*, Linn.—Very common in woods and hedges.

—— *Chamæmorus*, Linn.—Abundant on Pendle hill.

Fragaria vesca, Linn.—Frequent in woods. Woods about Redscar.

Potentilla anserina, Linn.—Very common by road sides.

——— *verna*, Linn.—Is said to grow in dry pastures near Preston, but I have not yet met with it.

——— *reptans*, Linn.—Frequent by road sides and on banks.

——— *Fragariastrum*, Ehrt.—Very common on dry banks.

Tormentilla officinalis, Sm.—Very common above Longridge. About Farringdon moss, and in many similar places.

——— *reptans*, Linn.—Common about Cadaley and other places near Preston.

Geum urbanum, Linn.—Frequent on hedge banks and in woods.

—— *rivale*, Linn.—By the side of the lane leading towards Melling's wood. Wood between the tram-road and Walton.

Comarum palustre, Linn.—In many pits about Preston. Pits by the side of Pope lane, Ribbleton.

Chelidonium majus, Linn.—Lane leading from Whinfield house towards Greave's Town, Ashton. Hedge at the Guide's house, near Naze point. This plant has been found in several places about Preston, but in consequence of its being much sought after by herbalists it is now comparatively scarce.

Glaucium luteum, Scop.—Very abundantly on the sea shore between Hest bank and Morecambe.

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Papaver dubium, Linn.—Corn fields between Hesketh bank and Crossons.

——— *Rhœas*, Linn.—In similar situations to the last.

Nymphæa alba, Linn.—Ditches at Martin mere. I am informed that it grows very fine and abundantly in a pond about half-way between Wood Plumpton church and Carr's green, also at Bannister hall Print works. Pit near Croston.

Nuphar lutea, Sm.—In many places in the Salwick brook, especially near Cottam mill. Pond near Clayton's farm, Broughton. In the canal at Rufford bridge.

Aquilegia vulgaris, Linn.—Occasionally in woods by the side of the river Brock, between its source and the Railway station.

Stratiotes aloides, Linn.—Very abundantly in pits on the Moor Hall estate on the north side of Preston, near the footpath leading towards Cadaley mill.

Anemone nemorosa, Linn.—Very common in woods and thickets and on banks.

Clematis Vitalba, Linn.—Frequent about Clitheroe.

Ficaria verna, Huds.—Very common on banks and in woods and meadows.

Ranunculus bulbosus, Linn.—Very common in meadows and pastures.

——— *Lingua*, Linn.—I am informed that this plant grows in ditches between Kirkham and Blackpool.

——— *repens*, Linn.—Frequent in shady places, particularly in gardens.

——— *Flammula*, Linn.—Frequent in watery places.

——— *acris*, Linn.—Common in meadows and pastures.

——— *aquatilis*, Linn.—Brook between the tram-road and Walton, and in many other brooks and ditches.

——— *auricomus*, Linn.—Meadow below Cottam mill towards Ashton Tunbrook wood.

——— *hederaceus*, Linn.—Ditch near Ribbleton moor.

——— *sceleratus*, Linn.—Frequent by the sides of ditches and pits. In several places between Greave's Town and Ashton marsh.

Helleborus viridis, Linn.—In a thicket by the side of the footpath leading from the Wood Plumpton road to Cottam hall.

Caltha palustris, Linn.—Very common in marshy places and ditches, edges of brooks and similar situations.

Ajuga reptans, Linn.—Very common in woods and pastures.

Teucrium Scorodonia, Linn.—Not uncommon in dry woods and fields. Plentiful in a field at Sion hill, Ribbleton.

Verbena officinalis, Linn.—By the side of the road leading from Bolton-le-sands to Carnforth. It is said also to grow near Wood Plumpton church, and near the site of Walton hall; also at Ashton.

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Mentha hirsuta, Linn.—Frequent in ditches.

——— *arvensis*, Linn.—Common in corn fields.

——— *piperita*, Sm.—Plentifully by the side of a road at Leyland, opposite to one of the entrances to Worden.

Glechoma hederacea, Linn.—Very common on hedge banks.

Lamium album, Linn.—Frequent by hedges and on heaps of rubbish.

——— *purpureum*, Linn.—A very common weed in gardens.

Galeopsis Tetrahit, Linn.—Very common in corn fields, gardens and waste places.

——— *versicolor*, Curt.—Very common in corn fields near Croston. In corn fields near Rufford. Fields between Scorton and Nicky nook.

Galeobdolon luteum, Huds.—In Melling's wood; also in the Tunbrook wood.

Betonica officinalis, Linn.—Frequent in woods.

Stachys sylvatica, Linn.—Not uncommon by hedges and upon rubbish heaps.

——— *palustris*, Linn.—Frequent by rivers, ditches and pits.

Origanum vulgare, Linn.—I have not observed this plant very near to Preston, but it is very plentiful among the old lime works at Clitheroe. It also grows near Whalley abbey.

Thymus Serpyllum, Linn.—Frequent in dry pastures.

——— *Acinos*, Linn.—[By the side of the footpath from Clitheroe to Worston. In many places near Clitheroe.] v. Rad. iii. p. 4.

Scutellaria galericulata, Linn.—By the side of the brook between the tramroad and Waltón.

Prunella vulgaris, Linn.—Frequent in pastures.

Bartsia viscosa, Linn.—This plant has been found near Blackpool in marshy ground by the sea. I have seen a dried specimen which was found in that locality. It is said also to grow on Crosby marsh and in ditches near Lathom house. It has also been found behind the sandhills beyond Lytham.

——— *Odontites*, Huds.—Frequent by road sides and in corn fields.

Rhinanthus Crista-galli, Linn.—Frequent in pastures. Abundant in pastures at the back of the Bridge inn at Penwortham.

Euphrasia officinalis, Linn.—Frequent in dry pastures and by road sides.

Melampyrum pratense, Linn.—Frequent in woods and thickets.

Lathræa squamaria, Linn.—I have been informed that this plant has been found in a wood at Samlesbury.

Pedicularis palustris, Linn.—Frequent on mosses and on marshy ground.

——— *sylvatica*, Linn.—Wet heaths and mosses about Longridge.

Linaria Cymbalaria, Mill.—Old walls at Walton hall.

——— *vulgaris*, Mill.—Not uncommon in hedges; hedge banks by the

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Ribble, near Preston; by the side of the footpath from Hesketh bank to Crossons.

Antirrhinum majus, Linn.—On Clitheroe castle.

Scrophularia nodosa, Linn.—Not uncommon in woods and shady places; Mellings wood.

——— *aquatica*, Linn.—Very common by the sides of ditches and other watery places.

Digitalis purpurea, Linn.—Frequent in hilly situations, about Longridge.

Limosella aquatica, Linn.—By the side of Ribbleton lane.

Draba verna, Linn.—Not unfrequent on walls and dry banks; road side between Rufford and Scarisbrick.

Lepidium Smithii, Hook.—Occasionally in the edges of corn fields about Rufford, especially towards Martin mere; between Greave's Town and Ashton marsh.

Thlaspi Bursa-pastoris, Linn —Very common by road sides.

Cochlearia officinalis, Linn.—Melling's wood; Ashton marsh.

——— *Danica*, Linn.—Banks about Blackpool, abundantly; also in similar places, near Lytham.

——— *Armoracia*, Linn.—Plentifully on the bank of the North Union railway, near the bridge over the Ribble.

Senebiera Coronopus, D. C.—I found a solitary specimen of this plant a year or two ago near Walton bridge, by the side of the Ribble.

Cakile maritima, Scop.—Frequent on the sea shore about Lytham.

Cardamine hirsuta, Linn.—Frequent by the side of springs and in shady places; by the side of Pope lane, Ribbleton, very abundant.

——— *pratensis*, Linn.—Very frequent in meadows and watery places

——— *amara*, Linn.—Plentifully in wet places in Melling's wood, and in many similar places about Preston.

Arabis Thaliana, Linn.—Frequent near Lytham towards Blackpool.

—— *hirsuta*, Br.—Occasionally on walls—Whalley abbey.

Nasturtium officinale, Br.—Not unfrequent in brooks and ditches.

—— *sylvestre*, Br —Wall above the stone delph at Preston; several other places near Preston.

—— *terrestre*, Br.—Between Greave's Town and Ashton marsh.

Sisymbrium officinale, Scop.—Very common by road sides and in hedges.

—— *Sophia*, Linn.—Dry banks between Church Town (Southport), and the sea shore.

Barbarea vulgaris, Br.—Frequent on the banks of rivers and ditches about Rufford, especially towards Martin mere; side of the brook by Walton hall gardens; in many places between Longridge and Ribchester.

—— *cheiranthoides*, Linn.—In corn fields about Rufford.

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Barbarea Alliaria, Linn.—Common in hedges.

Brassica Napus, Linn.—Frequent in corn fields.

—— *Rapa*, Linn.—Frequent by the edges of fields.

—— *campestris*, Linn.—Common in corn fields.

Sinapis arvensis, Linn.—Frequent in corn fields.

Raphanus Raphanistrum, Linn.—Very common in corn fields.

Erodium cicutarium, Sm.—Frequent upon the sand hills about Lytham and Southport, and occasionally on the bank of the Ribble below Preston.

Geranium phœum, Linn.—By the side of the lane leading from Greave's Town to Ashton marsh—by the side of a brook and in an orchard at the back of Osbaldeston house, near Moon's mill, Preston. It is said also to grow on several other spots near the last-named locality, particularly along the course of the same brook; also near the Vicarage, at Much Hoole.

—— *rotundifolium*, Linn.—I am informed that this plant grows in the Church yard at Kirkham.

—— *pratense*, Linn.—Frequent on the south bank of the Ribble at Preston.

—— *molle*, Linn.—Occasionally in dry places in Ashton marsh—borders of corn fields about Rufford.

—— *Robertianum*, Linn.—Very common in woods and on hedge banks.

—— *pusillum*, Linn.—Occasionally on the bank of the Ribble below Preston, by the side of the tram-road.

—— *sanguineum*, Linn.—About Fleetwood, near the sea coast; between the Naze Point, and the Guide's house.

—— *dissectum*, Linn.—Bank between Greaves' Town and Ashton marsh.

Malva sylvestris, Linn.—Frequent by hedges and road sides.

—— *rotundifolia*, Linn.—Occasionally in similar places to the last.

Fumaria officinalis, Linn.—Frequent in gardens and corn fields.

—— *capreolata*, Linn.—Between Hesketh bank and Crossons. Hedge by the side of the road near the Roman camp at Kirkham.

Corydalis claviculata, D. C.—Abundantly in a wood at Higher Brockholes.

Polygala vulgaris, Linn.—Frequent in dry pastures—above Longridge.

Genista Scoparia, Hook.—Hilly ground at the further end of Melling's wood.

—— *anglica*, Linn.—Ribbleton moor.

—— *tinctoria*, Linn.—By the footpath from Grimsargh station to Goosnargh; very frequent at the Naze Point.

Ulex Europæus, Linn.—Very common in heathy places, and on dry banks.

Ononis arvensis, Linn.—Not uncommon in the borders of fields and dry pastures. By the side of the Ribble below Preston, frequently.

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Anthyllis vulneraria, Linn —Plentifully about Clitheroe; also among the sand hills to the north of Southport.

Orobus tuberosus, Linn.—In a field to the left of the old road to Lancaster, beyond Plungington; by the side of the footpath from Sion hill to the barracks.

Lathyrus pratensis, Linn.—Frequent in pastures and hedges.

Vicia Cracca, Linn.—Frequent in hedges and thickets.

—— *sativa*, Linn.—Frequent in corn fields.

—— *sepium*, Linn.—Common in hedges and woods.

Ervum hirsutum, Linn.—In Frenchwood.

Trifolium officinale, Sm.—Between the Naze Point and Lytham, in several places.

—— *repens*, Linn.—Common in meadows and pastures.

—— *pratense*, Linn.—Common in meadows and pastures.

—— *arvense*, Linn.—Sand hills beyond Lytham.

—— *filiforme*, Linn.—Common in dry pastures.

—— *fragiferum*, Linn.—Preston marsh.

—— *procumbens*, Linn.—Common about Clitheroe, among the old lime works. Ashton marsh.

Lotus major, Scop.—Pastures between the tram-road and Walton.

—— *corniculatus*, Linn.—Frequent in pastures.

Medicago minima, Linn.—Near the sea coast north of Southport.

Hypericum quadrangulum, Linn.—Frequent by the banks of rivers and brooks.

—— *perforatum*, Linn.—Frequent on hedge banks and in woods.

—— *hirsutum*, Linn.—Woods and thickets near Redscar.

Hypericum Androsæmum, Linn.—I am informed that this plant grows at Freckleton, also in a wood at Higher Brockholes.

—— *elodes*, Linn.—Pools on Ribbleton moor.

—— *humifusum*, Linn.—I am told that this plant grows by a brook side at Fulwood.

—— *pulchrum*, Linn.—Not uncommon about Rufford; between Scorton and Nicky Nook.

Tragopogon pratensis, Linn.—Banks between Hesketh bank and Crossons; between the Naze Point and Lytham. Ashton marsh.

Picris hieracioides, Linn.—Frequent in the borders of fields.

Sonchus arvensis, Linn.—Frequent in corn fields.

—— *oleraceus*, Linn.—Very common in gardens, borders of fields and waste places.

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Prenanthes muralis, Linn.—Occasionally on old walls; plentifully on a dry bank opposite Barton Lodge; in plantations about Claughton hall.

Leontodon Taraxacum, Linn.—Very common in pastures and by road sides.

Apargia autumnalis, Willd.—Frequent in meadows and pastures and on banks.

—— *hispida*, Willd.—Frequent in meadows and pastures.

—— *hirta*, Sm.—Frequent in dry pastures.

Hieracium pilosella, Linn.—Frequent in dry pastures and on banks.

—— *Subaudum*, Sm.—Woods and dry banks; frequent on dry banks near Rufford towards Martin mere. Near Walton hall gardens. Near Leyland.

—— *sylvaticum*, Sm.—Dry banks about Ribbleton moor. Preston, in many places. Common about Clitheroe. Near Walton hall gardens.

—— *murorum*, Linn.—Frequent on old walls and on heaps of rubbish.

—— *paludosum*, Linn.—Holland wood at Walton-le-dale, abundantly.

Hypochæris radicata, Linn.—Very common in pastures and waste ground.

Lapsana communis, Linn.—Frequent on hedge banks and in waste places.

Arctium Lappa, Linn.—Common in waste ground.

Carduus tenuiflorus, Curt.—Banks between Hesketh Bank and Crossons.

——— *nutans*, Linn.—Between Preston and Walton.

Cnicus lanceolatus, Willd.—Common by road sides and in waste places.

—— *palustris*, Willd.—Frequent in wet meadows and by ponds and ditches.

—— *arvensis*, Hoffm.—Frequent in waste places and pastures.

Carlina vulgaris, Linn.—Among the sand hills, north of Southport; dry bank, near Nicky Nook, Garstang.

Bidens cernua, Linn.—By the side of a pit near the cemetery. Ditches at Croston and Pilling moss.

——— *tripartita*, Linn.—About Marton mere abundantly.

Eupatorium canabinum, Linn.—Plentifully by the side of the Brock, not far from and on the east side of the Railway; Melling's wood; woods at Bolton and Brockholes.

Tanacetum vulgare, Linn.—Hedge on the right hand side of the lane between Avenham and Walton; by the side of the river at Redscar.

Artemisia vulgaris, Linn.—Frequent in hedges.

——— *maritima*, Linn.—Skippool, near Fleetwood.

Gnaphalium uliginosum, Linn.—Occasionally in damp places where water has stood during the winter.

—— *dioicum*, Linn.—Near Nicky Nook. On hills about Rawtenstall.

—— *minimum*, Sm.—Frequent in sandy fields.

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Gnaphalium Germanicum, Huds.—Frequent in dry fields and waste grounds.

Conyza squarrosa, Linn.—By the road side between Bolton and Carnforth.

Erigeron acris, Linn.—Among the sand hills at Lytham.

Tussilago Farfara, Linn.—Common on railway banks and in clayey fields.

Petasites vulgaris, Desf.—Common on the south bank of the Ribble, near Darwen mouth, and in many other places near Preston.

Senecio vulgaris, Linn.—Very common in gardens and waste ground.

——— *tenuifolius*, Jacq.—In many places between the Naze point and Lytham; road side near the Black Bull, in Broughton.

——— *Jacobæa*, Linn.—Common in dry pastures and by road sides.

——— *aquaticus*, Huds.—In wet meadows and by the sides of rivers.

——— *viscosus*, Linn.—Dry, barren places between Rufford and Martin mere. Pilling moss.

——— *sylvaticus*, Linn.—Leyland moss. Pilling moss.

——— *saracenicus*, Linn.—I have been informed that this plant grows in a meadow beyond Redscar, near the Ribble.

Aster Tripolium, Linn.—Common in Ashton marsh.

Solidago Virgaurea, Linn.—Not unfrequently in rocky places and in woods.

Inula dysenterica, Linn.—Occasionally by way sides in wet places; by the side of the tram-road, about a mile and a half from Preston.

Cineraria palustris, Linn.—Is said to grow in ditches on Pilling moss.

Bellis perennis, Linn.—Very common in meadows and pastures.

Chrysanthemum Leucanthemum, Linn.—Dry pastures and road sides.

——— *segetum*, Linn.—Not uncommon in corn fields.

Pyrethrum Parthenium, Sm.—Occasionally on hedge banks; abundantly on Clitheroe Castle hill.

Pyrethrum inodorum, Sm.—Common in waste ground and by way sides.

Anthemis Cotula, Linn.—Corn fields, waste ground, and road sides.

Achillea Ptarmica, Linn.—Borders of fields, and by the sides of canals; canal side near Whittle springs; road side, Penwortham hill.

——— *millefolium*, Linn.—Common on banks and by road sides.

Centaurea nigra, Linn.—Common in dry pastures.

——— *Cyanus*, Linn.—Occasionally in corn fields.

——— *Scabiosa*, Linn.—Dry pastures and in the borders of corn fields.

Orchis bifolia, Linn.—In a field at Sion hill, Ribbleton; plentifully in a field on the north side of the Darwen, above Roach bridge.

——— *morio*, Linn.—In several fields in Cottam and Lea.

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Orchis mascula, Linn.—Frequent in the borders of fields; very fine and abundant by the Salwick brook, on the west of the road leading from the Plough Inn to Wood Plumpton.

——— *latifolia*, Linn.—Between Lytham and the lighthouse.

——— *maculata*, Linn.—Common in meadows and woods.

Gymnadenia conopsea, Br.—Plentifully about the limekilns near Clitheroe.

Listera ovata, Br.—Fulwood, near Sion hill; Hedge bank, by the side of the road from Clitheroe to Sabden; Tunbrook wood.

——— *cordata*, Br.—Is said to grow on Pendle hill.

——— *Nidus avis*, Hook.—I am informed that this plant grows in a wood at Samlesbury.

Epipactis latifolia, Sm.—Wood on the Lancashire side of the river Hodder, between the higher and lower bridges. I found a solitary specimen growing among the sand hills north of Southport, in August, 1857. It is said also to grow in a wood, near Nicky Nook, Garstang.

——— *palustris*, Sm.—In marshy places, between Lytham and the lighthouse; also in similar spots among the sand hills north of Southport.

Euphorbia Peplus, Linn.—Common in corn fields and gardens.

——— *exigua*, Linn.—In similar situations.

——— *helioscopia*, Linn.—In similar situations.

——— *Paralia*, Linn.—Sand hills between Lytham and Blackpool.

Typha latifolia, Linn.—Pools by the side of the East Lancashire railway, in several places between Croston and Burscough, especially near Rufford. Pit between Kirkham and Marton.

——— *angustifolia*, Linn.—Pit between Kirkham and Marton. By the side of Martin mere.

Sparganium ramosum, Huds.—Brook between the tram-road and Walton, and in many similar places.

——— *simplex*, Huds.—Brook between the tram road and Walton; pits on the Moor hall estate.

Carex arenaria, Linn.—Upon Lytham sand hills.

——— *ovalis*, Good.—Frequent in wet meadows.

——— *sylvatica*, Huds.—In Tunbrook wood. I have not paid much attention to this tribe.

——— *pilulifera*, Linn.—Not uncommon in wet heathy ground.

——— *riparia*, Curt.—Frequent at the edges of rivers, ditches, and pools.

——— *acuta*, Linn.—Frequent in similar situations to the last.

——— *paludosa*, Good.—Frequent in similar places. In Frenchwood.

——— *pendula*, Huds.—Walton wood in considerable quantities; wood between the tram-road and Walton hall gardens, abundantly.

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Carex, extensa, Good.—Ribbleton moor; near Nicky Nook.

——— *dioica*, Linn.—Ribbleton moor.

——— *remota*, Linn.—By the side of the road to the cemetery; very abundant in the wood at Nicky Nook.

——— *pseudo-cyperus*, Linn.—Pit by the side of the tram-road near Preston; ditch by the side of a wood at Higher Brockholes.

Alnus glutinosa, Gærtn.—Very common by the sides of rivers, brooks, and pits.

Urtica urens, Linn.—Very common in gardens and waste places.

——— *dioica*, Linn.—Very common in hedges and waste places.

Ceratophyllum demersum, Linn.—Frequent in ditches and slow streams.

Myriophyllum verticillatum, Linn.—In Ashton marsh.

Sagittaria sagittifolia, Linn.—In the canal near Whittle springs.

Arum maculatum, Linn.—Very common in hedges and bushy places.

Poterium Sanguisorba, Linn.—Frequent about Clitheroe.

Quercus Robur, Linn.—In woods.

Fagus sylvatica, Linn.—In woods.

Betula alba, Linn.—In woods.

Carpinus Betulus, Linn.—Frequent in woods and hedges.

Corylus Avellana, Linn.—Common in woods and hedges.

Pinus sylvestris, Linn.—Occasionally in woods.

Empetrum nigrum, Linn.—On Longridge and Beacon fells.

Myrica Gale, Linn.—By the sides of ditches about Martin mere. Very abundant on Pilling moss.

Humulus Lupulus, Linn.—In hedges occasionally; hedge by the side of the road between Broughton and Myerscough.

Tamus communis, Linn.—Frequent about Clitheroe.

Populus alba, Linn.—Frequent in moist woods.

——— *tremula*, Linn.—Not uncommon in woods and hedge rows.

——— *nigra*, Linn.—Frequent; banks of rivers and hedge rows.

Mercurialis perennis, Linn.—Very common on hedge banks.

Hydrocharis Morsus-ranæ, Linn.—In a pit near the Preston cemetery; pit by the side of Ribbleton moor; ditches at Martin mere.

Atriplex patula, Linn.—Very common on dunghills and waste ground and by the sides of roads.

——— *laciniata*, Linn.—Sea shore at Knot end, opposite to Fleetwood.

Polypodium vulgare, Linn.—Very common upon hedge banks.

——— *Phegopteris*, Linn.—Brockholes wood, near Preston; also in several places near Salesbury and Dinkley halls.

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Polypodium Dryopteris, Linn.—Abundantly in a wood at Nicky Nook; on rocky places by the side of the Lead mine brook below Rivington Pike.

Aspidium Filix-mas, Sw.—Frequent in woods.

——— *aculeatum*, Sw.—In woods and on shady hedge banks.

——— *lobatum*, Sw.—In similar situations to the last.

Asplenium filix fœmina, Bernb.—Occasionally on shady hedge banks.

——— *Trichomanes*, Linn.—Occasionally on walls; on a bridge near the Wood Plumpton road, where the railway crosses Salwick brook.

——— *marinum*, Linn.—Near Heysham.

——— *Ruta-muraria*, Linn.—On Walton and Penwortham bridges.

——— *Adiantum-nigrum*, Linn.—Goosnargh church yard wall.

Scolopendrium vulgare, Sym.—Common on hedge banks.

Blechnum boreale, Sw.—Common on parts of Longridge fell.

Pteris aquilina, Linn.—Very common in woods.

Osmunda regalis, Linn.—Wood at Higher Brockholes; abundantly in several places between Rufford and Martin mere, especially by the side of a wood facing the park. Neighbourhood of Catforth.

Botrychium Lunaria, Sw.—Is said to grow on Mellor moor, and also on a hill between Burnley and Colne.

Ophioglossum vulgatum, Linn.—By a hedge side between the tram-road and Walton.

Lycopodium clavatum, Linn.—Pendle Hill.

——— *Selago*, Linn.—Pendle Hill.

Equisetum arvense, Linn.—In fields and by way sides.

——— *fluviatile*, Linn.—Near the footpath leading from Roach bridge towards Hoghton Tower; and in similar situations about Preston.

——— *sylvaticum*, Linn.—Frequent in moist woods.

——— *limosum*, Linn—Frequent by the sides of pits.

——— *palustre*, Linn.—Ditches between Rufford and Martin mere.

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Trans. xii: 127-134

ON THE FLORA OF PRESTON AND THE NEIGHBOURHOOD.

PART II.*

By Mr. Charles Joseph Ashfield.

READ 16TH FEBRUARY, 1860.

Pinguicula vulgaris, Linn.—On the north side of Beacon Fell, by the footpath to Bailey Hey; plentiful on Nateby Moss, Mr. Jas. Pearson of Rochdale.

Lemna polyrhiza, Linn.—Near Euxton, Mr. Henry Scott of Chorley.

Fedia olitoria, Vahl.—In many dry fields near Rufford, in the direction of Martin Mere; upon a bank by the road side at Stainall.

——— *dentata*, Vahl.—Abundantly in a corn field on the south side of Rufford Park, and also in a corn field between Cockerham and Glasson Dock. Corn fields near Poulton Railway Station.

Crocus vernus, Willd.—At Many Brooks, Moon's Mill.

Iris fœtidissima, Linn.—In Whinny Lane, in Euxton.

Scirpus sylvaticus, Linn.—In many places by the Salwick brook, near Cottam Mill, and from thence towards Lea.

Eleocharis pauciflora, Link.—Moors in Heath Charnock, Mr. H. Scott.

Eriophorum vaginatum, Linn.—Farington Moss.

Melica uniflora, Linn.—Ravine above Greenhalgh Castle, Mr. Pearson.

Galium Mollugo, Linn.—I am inclined to think that this is an error: I have searched the neighbourhood of Beacon Fell twice this year in vain for the plant.

Parietaria officinalis, Linn.—Plentifully upon walls at Wardless.

Potamogeton pusillus, Linn.—In the canal between the first and second bridges, above Preston.

Myosotis collina, Hoffm.—Occasionally in dry sandy fields above Rufford, in the direction of Martin Mere.

——— *versicolor*, Lehm.—Occasionally in dry places on Croston Moss.

Borago officinalis, Linn.—Common, as a weed in gardens at Garstang and Saint Michael's, Mr. Pearson.

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* See vol. x., p. 143.

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Primula farinosa, Linn.—Mr. Pearson informs me that the Rev. J. Ducker, a friend of his, has found this plant upon Kitchem Hill, near Whitewell.

Hottonia palustris, Linn.—Ditches near the footpath from Cockerham church to the sea; plentifully in ditches about Marton Moss, near Lytham. Ditches at Croston Moss.

Lysimachia vulgaris, Linn.—Ditches near Greenhalgh Castle; Winmarley Moss, Mr. Pearson.

——— *nummularia*, Linn.—Very abundant upon a bank below a wood at Lower Brockholes.

Anagallis cœrulea, Sm.—Mr. Pearson tells me he found a few plants of this species on the embankment of the Wyre, opposite Preesall, in 1851.

Convolvulus Soldanella, Linn.—In many places between Blackpool and Fleetwood, and occasionally between Fleetwood and Wardless.

Campanula hederacea, Linn.—Nickey Nook, sparingly; Nateby Moss, Mr. Pearson. He says he has not found it in the former locality since 1854, although he has looked for it repeatedly since.

Euonymus Europœus, Linn.—In a hedge by the side of the road from Clitheroe to Sabden, near the Four-Lane-Ends.

Viola odorata, Linn.—Watery Lane, Fishwick; bank near Hollinhead Fold, on the road to Wood Plumpton; abundantly by the side of a lane leading from Walton Bridge towards Melling's Wood.

Verbascum virgatum, With.—I have this year (1859) found a few plants of this species between Wardless and Fleetwood.

Datura Stramonium, Linn.—Occasionally on the beach at Lytham, near the Clifton Arms Hotel.

Erythræa pulchella, Hook.—On a bank at Bispham, near Blackpool, sparingly.

Rhamnus catharticus, Linn.—On rocks at Ridding Hey, near Clitheroe, and in hedges in that neighbourhood; near Clitheroe Castle.

——— *Frangula*, Linn.—Near Beacon Fell, by the side of the road from the Derby Arms, a single shrub, 1859.

Ribes alpinum, Linn.—Hedge at Hollinhead Fold; in the hedge on the right hand side of the road from Longridge to Chipping, just beyond the bridge over the Loud; in Rib Lane, Longridge.

——— *nigrum*, Linn.—In a corner of a field near Ribbleton Moor, on the side nearest the cemetery.

Chenopodium maritimum, Linn.—Abundantly on Ashton Marsh, and in many places from thence to Lytham.

Scandix Pecten, Linn.—Corn fields near Poulton-le-Fylde.

Sium inundatum, Wigg.—Lane leading from Stainall to Stalmine, Mr. Pearson; Whinny Lane, Euxton, Mr. H. Scott.

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Œnanthe crocata, Linn.—In a ditch by the side of the lane from Avenham to Walton; in ditches by the road to Wood Plumpton; plentifully in a ditch at Grimsargh, on the road to Longridge; in several other places near Preston; in great abundance in many places between Rufford and Marton Mere.

Apium graveolens, Linn.—Between Greaves' Town and Ashton Marsh; banks of the Wyre, abundantly, from Skippool and Rawcliffe Marsh to the sea.

Angelica sylvestris, Linn.—Frequent in moist woods and by the sides of streams; between the tramroad and Penwortham bridge, on the south side of the Ribble; Cuerden woods, near the footpath from Clayton Green to Leyland.

Bupleurum rotundifolium, Linn.—Mr. H. Scott says that he has been informed by Mr. George Ward, a gardener at Feniscowles, that he has found this plant in that neighbourhood.

Pastinaca sativa, Linn.—Very abundantly on copse at Bispham near Blackpool.

Statice reticulata, Hook.—Plentifully on the marshes between Skippool and Fleetwood, and between Wardless and Fleetwood.

——— *Limonium*, Linn.—Very abundant in the same localities as the last.

Linum perenne, Linn.—Very sparingly in a stubble field at Stalmine, 1851, Mr. Pearson.

——— *usitatissimum*, Lum.—In a field at Linguet, near Garstang, Mr. Pearson.

Galanthus nivalis, Linn.—Plentifully in Seed Park at Samlesbury, and in several places by the side of the Bezza brook in that township. Mr. Pearson informs me that it grows under hedges at St. Michael's, Rawcliffe, and Stalmine; on hedge banks beyond Broughton, on the left hand side of the road to Lancaster.

Narcissus Pseudo—Narcissus, Linn.—Meadow near St. Michael's Hall; meadow at Stalmine, Mr. Pearson.

Fritillaria Meleagris, Linn.—Abundantly in a meadow at Stainall, at present in the occupation of Mr. John Hastewell.

Juncus maritimus, Sm..—Frequent by the side of the Wyre at the Shard, Wardless, and other places in that neighbourhood.

Luzula congesta, Sm.—Valley at Nickey Nook; by the side of the road near Beacon Fell; fields at the back of the factory, Roach Bridge.

Rumex maritimus, Linn.—Occasionally between the Naze Point and Lytham.

———*Hydrolapathum*, Huds.—Bank bridge in Tarleton, Mr. H. Scott.

Alisma ranunculoides, Linn.—Canal near Garstang, plentifully, Mr. Pearson.

Epilobium angustifolium, Linn.—Farington Moss, near the railway, sparingly.

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Chlora perfoliata, Linn.—Wyre bank between Skippool and Wardless, Mr. Pearson.

Vaccinium vitis-idæa, Linn.—Anglezark Moor; Longridge Fell, on the further side of the road leading from White Cross to Jeffrey Hill, abundantly.

Butomus umbellatus, Linn.—Canal side in several places at Rufford.

Saxifraga tridactylites, Linn.—By the road side, within forty yards of Ashton Church, Mr. Lawrence Lucas. I have not found it nearer to Preston than Overton, near Glasson Dock, where it grows abundantly on walls.

Saxifraga umbrosa, Linn.—I believe this should be *Saxifraga hirsuta*.

Stellaria glauca, With.—Brook side between the tram road and Walton.

Arenaria rubra, Linn.—Plentifully between the road and the canal at Rufford.

Sedum Anglicum, Huds.—Plentifully on a bank at Sunderland, by the side of a lane leading from the ferry-house to the sea.

Agrostemma Githago, Linn.—In a corn field on the south side of Rufford Park; corn fields between Poulton and Bispham. Mr. Pearson says it grows amongst corn at St. Michael's, Rawcliffe, Stalmine, and Garstang.

Asarum Europæum, Linn.—Mr. Pearson says he has been informed that this plant is found in Barton.

Prunus Padus, Linn.—In Penwortham, by the side of a road leading from the tramroad under the East Lancashire Railway.

Pyrus communis, Linn.—In a hedge at Stainall, on the road to Stalmine.

Rosa Sabini, Woods.—I am not quite certain as to the correctness of this name.

Chelidonium majus, Linn.—Plentiful on a ditch side in Longmore Lane, near Garstang, Mr. Pearson; garden hedge at Fishwick, near Preston; occasionally near Rufford.

Glaucium luteum, Scop.—Occasionally between Wardless and Fleetwood.

Thalictrum minus, Linn.—Beach at Lytham.

——— *flavum*, Linn.—Croston Meadows; by the side of a water course between Rufford and Marton Mere.

Clematis vitalba, Linn.—Stated in Part I. to grow about Clitheroe: this is an error.

Ranunculus auricomus, Linn.—Watery Lane, Fishwick; lane beyond Many Brooks, Moon's Mill.

Trollius Europæus, Linn.—Near the Liverpool water-works in Heath Charnock; Plymouth bridge, Chorley.

Verbena officinalis, Linn.—By the road side at Wood Plumpton, opposite the church.

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Mentha piperita, Sm.—Plentifully in a ditch in Howick, on the right hand side of the road to Liverpool, and also in the lane leading from Hutton Hall to the Liverpool road.

——— *rotundifolia* Linn.—Near Chorley, Dr. John Morris Rigby, Chorley.

——— *aquatica*, Linn.—Near Chorley, Dr. Rigby.

Lamium incisum, Willd.—Between the tramroad bridge and Walton Hall gardens; a weed in the garden of the Saddle Inn in Lea; occasionally about Rufford.

——— *amplexicaule*, Linn.—Between the tramroad bridge and Walton, occasionally; by the side of the road, and on a wall between the church at Rufford and the Hesketh Arms Inn; amongst corn at Garstang, Mr. Pearson.

——— *maculatum*, Linn.—Occasionally a weed in gardens at Rawcliffe, Mr. Pearson.

Stachys arvensis, Linn.—Corn fields at Rufford, on the south side of the park.

Scutellaria galericulata, Linn.—In several places by the side of the road between Howick and Longton; ditches at Stalmine; canal near Greenhalgh Castle, Mr. Pearson.

——— *minor*, Linn.—In Anglezark, on Winstanley's farm.

Bartsia viscosa, Linn.—Field at Lytham, at the back of the sand hills.

Draba verna, Linn.—In many places near Rufford, on sandy soil.

Arabis hirsuta, Br.—By the road side, near Ridding Hey, Clitheroe.

Brassica Monensis, Br.—On the Beach at Lytham, near the sand hills; marsh below Preesall.

Sinapis nigra, Linn.—In corn fields occasionally; plentifully in a corn field between Poulton and Bispham.

Geranium phæum, Linn.—In a meadow at St. Michael's Hall, orchard at same place, Mr. Pearson.

——— *lucidum*, Linn. Abundant on the rocks forming the west side of Clitheroe Castle Hill.

Malva moschata, Linn.—In several places on the coast between Sunderland and Heysham; in a lane at Overton; banks of the Wyre near Wardless; and on a brook side, about half a mile behind St. Michael's Hall, on the moss, Mr. Pearson; Common Bank, Preston, some years since, Mr. Lucas.

——— *rotundifolia*, Linn.—On the banks of the Wyre; at St. Michael's and Rawcliffe, Mr. Pearson.

Fumaria capreolata, Linn.—Preston Cemetery; hedges about Leyland; hedges by the side of the road from Lytham to Blackpool, just beyond the entrance to Lytham Hall.

Corydalis lutea, Lind.—A weed in a garden at Garstang, Mr. Pearson. On a wall at Whalley Abbey, Dr. Rigby.

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Corydalis claviculata, D. C.—Not unfrequent on dry banks, and among stones near the Nab Wood, Chorley.

Trifolium suffocatum, Linn.—Beach at Lytham.

——— *medium*, Linn.—In bushy places occasionally; near the Drumhead in Walton; frequently in hedges between Poulton and Bispham.

——— *arvense*, Linn.—Beach at Lytham.

——— *fragiferum*, Linn.—Very abundant in many places between the Naze Point and Lytham.

Medicago minima, Linn.—This is an error.

——— *lupulina*, Linn.—By the side of the tram-road; road side between Walton and Bamber Bridge; and in many other similar places near Preston.

Hypericum Androsæmum, Linn.—Valley near Nickey Nook; in a ravine above the ruins of Greenhalgh Castle, Mr. Pearson; plentiful in Euxton, Mr. H. Scott.

——— *humifusum*, Linn.—Dry banks, Dimples lane, Garstang; in similar situations about Stalmine, Mr. Pearson.

Tragopogon porrifolius, Linn.—Near the canal bridge, Garstang; a few plants in 1851, Mr. Pearson.

Carduus acanthoides, Linn.—On hedge banks near Glasson Dock; banks near Cockersand Abbey.

——— *tenuiflorus*, Curt.—On banks at Bispham, near Blackpool.

Cnicus heterophyllus, Willd.—Mr. John Bibby of Preston informs me that some years since he found this plant plentifully in corn fields, by the side of the Ribble beyond Red Scar. I have this year (1859), searched the locality with him, but without success.

Bidens cernua, Linn.—At the edge of a pit, by the side of Toad Lane, Preston; by the side of the road from Penwortham to Longton.

——— *tripartita*, Linn.—In wet places among the coal yards at Preston.

Tanacetum vulgare, Linn.—Plentifully by the side of the Ribble, in Samlesbury, near the Bezza Brook.

Artemisia maritima, Linn.—Stainall marsh to the sea, Mr. Pearson.

Conyza squarrosa, Linn.—Frequently among the sand hills near Lytham.

Senecio Saracenicus, Linn.—By the river side in the field next beyond the Nab Wood at Red Scar plentifully.

Orchis viridis, Sm.—Field behind the factory at Roach Bridge, Mr. Lucas.

Gymnadenia conopsea, Br.—In the same locality as the last, Mr. Lucas.

Ophrys muscifera, Huds.—In the same locality as the last two, Mr. Lucas.

——— *apifera*, Huds.—On the Drumhead estate in Walton, Mr. Lucas. Several other persons have also told me that this plant grows in the locality named. One person who has been in the habit of gathering

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it there says he has not seen it for four seasons, and on searching for it this year, at my request, could not find a single specimen.

Epipactis latifolia, Sm.—In a ravine about three quarters of a mile above Greenhalgh Castle; in a thicket on the way from Garstang to Nickey Nook; a single plant in Leathercoat Wood, Mr. Pearson.

Aristolochia Clematitis, Linn.—Field at Warton on the right hand side of the road to Lytham, Mr. Lucas.

Typha latifolia, Linn.—Pits and Ditches at Rawcliffe, St. Michael's, and Stalmine, Mr. Pearson.

——— *angustifolia*, Linn.—Rawcliffe moss, Mr. Pearson. The habitat given in Part I. should have been "Marton" instead of "Martin" Mere.

Carex sylvatica, Huds.—Plentifully in the Tunbrook Wood, and also in Melling's Wood.

——— *stellulata*, Good.—Marshy place by the side of the road from the Derby Arms to Beacon Fell; ditches and pools near the Wyre, at Preesall, Stainall and Stalmine.

——— *extensa*, Good.—I have been mistaken as to this plant. The plant I took to be "*Carex extensa*," I have sent to the Botanical Society at Todmorden, and it has been returned to me with the name "*Carex* "*Œderi*."

——— *Œderi*, Ehrh.—Ribbleton Moor, plentifully; valley at Nickey Nook.

——— *intermedia*, Good.—By the side of the canal above Preston, occasionally; between the Naze Point and Lytham.

Bryonia dioica, Jacq.—Hedge at Wildboar, St. Michael's, Mr. Pearson; Town Green, Chorley, Mr. H. Scott.

Tamus communis, Linn.—In the Tunbrook Wood.

Hydrocharis Morsus ranæ, Linn.—Abundantly in ditches near the foot, path from Cockerham Church to the sea.

Atriplex portulacoides, Linn.—In great abundance in the marshes between Skippool and the sea.

——— *laciniata*, Linn.—Occasionally between the Naze Point and Lytham.

——— *littoralis*, Linn.—Frequent between Stena and Fleetwood. Mr. Pearson says he has found it upon Rawcliffe and Hambleton marshes.

Aspidium angulare, Willd.—Plentiful in the hedge between Garstang and Bowgrave, Mr. Pearson; Nab Wood, Chorley.

——— *Oreopteris*, Sw.—Very large and abundant in a ravine above Greenhalgh Castle, Mr. Pearson.

Osmunda regalis, Linn.—Nateby Moss, near Bowers's House; also on Winmarley Moss, Mr. Pearson; Croston Moss.

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Botrychium Lunaria, Sw.—Mr. Henry Oakey, of Preston, informs me that he has had specimens of this plant given him, which grew in a field on the coast at Norbreck; plentifully on Moors in Wheelton.

Equisetum sylvaticum, Linn.—By the side of the footpath, near the Fell from Longridge to Chipping.

Grammitis Ceterach, Swartz.—On a wall at Whittle, on the left hand side of the road, leading from the Navigation Inn to Mr. Aitken's print works.

Allosorus crispus, Bernh.—Rivington Pike, Dr. Rigby.

Asplenium Adiantum nigrum, Linn.—Sparingly on a Hazel Bank near Skippool; on the banks of the Wyre, Mr. Pearson.

Lastrea fœniscecii, Watson.—In Grimeford Lane, near Chorley, Dr. Rigby.

Cystopteris fragilis, Bernh.—On a wall at White Coppice, Heapy.

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Trans. n. s. ii: 75-80. 1862

ON THE FLORA OF PRESTON AND THE NEIGHBOURHOOD.

Part III.*

By Mr. Charles Joseph Ashfield.

Hippuris vulgaris, Linn.—Ditch near Lytham Lighthouse.

Lemna polyrhiza, Linn.—Canal at Preston, plentiful.

Crocus vernus, Willd.—Abundant in a field at the back of Leyland Church.

Dipsacus Fullonum, Linn.—One or two specimens of this plant have come up, and flourished for a few years past, in the garden at the back of the Red Lion Inn, near Walton-le-Dale Church.

Parietaria officinalis, Linn.—At Dinckley Hall, near Ribchester.

Potamogeton rufescens, Schrad.—Pit by Pope Lane.

——— *crispus*, Linn.—Pit by the River Lostock, between Croston Railway Station and Bank Bridge.

——— *perfoliatus*, Linn.—At Bank Bridge.

Myosotis versicolor, Lehm.—Fields, Rufford, plentiful.

Echium vulgare, Linn.—Top of Clitheroe Castle tower, a single plant, 1860.

Primula farinosa, Linn.—Pendle Hill, by the side of a stream near Pendleton Hall, in abundance; Railway side between Clitheroe and Whalley.

Convolvulus sepium, Linn.—The rose or pink coloured variety of this plant grows in a hedge between Freckleton and the Ribble, in considerable quantities.

Claytonia perfoliata, Donn.—Naturalized in the grounds belonging to the Inn at Whittle Springs, near Chorley.

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* See vol. x, p. 143. Vol. xii, p. 127.

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Verbascum Thapsus, Linn.—By the road side from Samlesbury Church to the Lower Hall, a single specimen, 1860.

Chenopodium Bonus Henricus, Linn.—Between Dinckley Hall and the Ribble, plentiful.

Myrrhis odorata, Scop.—Ribble bank, near Darwen mouth, 1861; bank between the tram-road and Walton Hall.

Sium angustifolium, Linn.—Ditch near Lytham, by Ribble bank, abundant.

Sium inundatum, Wigg.—Pit on the east side of Ribbleton Moor, abundant; ditches between Croston Moss and Bank Bridge, abundant.

Sison Amomum, Linn.—This plant is erroneously included in part I. I am not aware that it has been found in this district.

Œnanthe pimpinelloides, Linn.—This plant is stated in part I. to grow in marshes between the Naze Point and Lytham, abundantly. This is an error, the plant in question is certainly not *Œ. pimpinelloides*, but, I believe, on further investigation will prove to be either *Œ. peucedanifolia*, Poll.—or *Œ. Lachenalii*, Gmel.—probably the latter.

——— *Phellandrium*, Lam.—Ditches, Croston Moss.

Meum athamanticum, Jacq.—In a pasture field at Piethorn, in Butterworth, very abundant. This may be considered out of place in a paper treating of the botany of Preston and its neighbourhood, but I mention it because I believe the exact locality has not been named in any work before. Mr. Grindon, in his Flora of Manchester, mentions the plant as growing on "Whiteley Dean, a "moor near Milnrow."

Bupleurum rotundifolium, Linn.—Mr. George Ward, who is stated in Part II. to have found this plant in the neighbourhood of Feniscowles, informs me that he found some specimens of it many years ago in a field between the Boar's Head, in Hoghton, and Quaker Brook.

Statice reticulata, Hook.—This plant is incorrectly included in Part II. There are two kinds of Statice often growing

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together on the marshes by the Wyre, one much larger and more luxuriant than the other, and I cannot quite satisfy myself as to the species of the smaller kind, but it is not *reticulata*. It may probably be *S. biperhosa*, n|v| G. E. Sm.—but it requires further investigation.

Convallaria multiflora, Linn.—I saw this plant growing in a hedge near Milnrow, in June, 1861, although, like the Meum, out of place in this list, I mention the fact because I believe the above habitat has never been recorded. The plant had every appearance of being wild. I was informed that it grew in a wood in the same neighbourhood a few years since, but is now lost there.

——————— *majalis*, Linn.—I believe this plant has been found either in a ravine near the Heald, Barnacre, or in a plantation in Calder Vale, which is in the same neighbourhood.

Maianthemum bifolium, D. C.—This plant (under the name of Monophyllon, or One Blade), Gerarde says "groweth "in Lancashire, in Dingley Wood, six miles from "Preston, in Aundernesse; and in Harwood neere to "Blackburne likewise." By Dingley I presume is meant Dinckley, near Ribchester, which, however, is ten or twelve miles from Preston. The old botanist is frequently incorrect in his distances. I have not yet had an opportunity of searching for this plant.

Rumex Hydrolapathum, Huds.—I have found this plant near Bank Bridge, the habitat mentioned by Mr. H. Scott, Part II.

Alisma ranunculoides, Linn.—Pit at Liscoe, near Rawcliffe, very abundant.

Chlora perfoliata, Linn.—Fields about Green Lane, Roach Bridge, abundant. A fine specimen between Ribble bank and Freckleton, August, 1861.

Saxifraga tridactylites, Linn.—Beach at Lytham, between the Windmill and the Custom House, very abundant.

Agrostemma Githago, Linn.—Corn fields about Croston Moss, frequent.

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Meconopsis Cambrica, Vig.—Lancashire side of the Hodder, near Whitewell, but introduced.

Trollius Europæus, Linn.—Marshy place near the Spa Well, Clitheroe.

Aquilegia vulgaris, Linn.—Wood between Sale Weel and Dinckley Hall.

Anemone Pulsatilla, Linn.—In the Phytologist for January, 1862, there is an article entitled "Catalogue of plants "cultivated by Collinson," who was a celebrated botanist and florist living at Mill Hill, Hendon, Middlesex, about the middle of the last Century. With reference to the *A. Pulsatilla*, the following note is extracted from the Catalogue—"Mr. Knowlton found millions of Pulsatillas "growing everywhere in the grass, from a mile south of "Lancaster, on the way to Little Purton." This Mr. Knowlton, the Phytologist informs us, was a zealous botanist and gardener to the Earl of Burlington. He would therefore be probably acquainted with the neighbourhood of Lancaster, and could not have mistaken any other plant for *A. Pulsatilla*. I never before heard of this fine plant having been found in this county, and have not yet been able even to learn the whereabouts of "Little Purton."

Lancaster, a way to Little Purton [Lincolnsh.] which is meant. Perhaps Mr Knowlton of Raygill, which Mr. Shelley may write the Phytologist upon the matter. Part IV. p. 4.

Lamium maculatum, Linn.—Hedge bank near Ribchester Bridge; hedge bank between Longridge and Ribchester Workhouse; hedge bank near Bamber Bridge, by the Leyland road, probably introduced in each of the above localities.

Ballota nigra, Linn.—Hedges about Rufford.

Calamintha Clinopodium, Benth.—Sand hills at Lytham, frequent.

Thymus Acinos, Linn.—Mentioned in Part I. as growing near Clitheroe, but I believe incorrectly. I believe the plant I took to be *T. Acinos* is only a variety of *T. Serpyllum*, but the matter requires further investigation.

Bartsia viscosa, Linn.—Ditch at the edge of the sand hills at Lytham, next to the cultivated ground, plentiful.

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Lathræa squamaria.—In a wood called Whalley Banks, on the bank of the Calder, about a mile from Whalley, nearly opposite to Moreton Hall. Gerarde says of this plant "It groweth likewise neere Harwood, in "Lancashire, a mile from Whanley, in a wood called "Talbot Banke." The locality indicated by Gerarde is no doubt the same as that in which the plant now grows, "Whanley" being evidently a misprint for Whalley, and no wood called Talbot Bank being now known in the neighbourhood. Mr. George Ward found the plant in Whalley Banks Wood, about 35 years since.

Draba verna, Linn.—Very abundant on the beach at Lytham, between the Windmill and the Custom House.

Camelina sativa, Crantz.—Marsh End, Ashton, on a piece of uncultivated ground, 1860. No doubt introduced, but in what manner it is difficult to say.

Teesdalia nudicaulis, Br.—Sandy corn field between Rufford and Martin Mere very abundant.

Geranium columbinum, Linn.—Dry bank near Rufford; by a bye road to Martin Mere.

——— *lucidum,* Linn.—Old wall nearly opposite Hoghton Church; very abundant, as a weed, in a garden at Withy Trees, Bamber Bridge.

Malva moschata, Linn.—Wyre bank, near the entrance to Rawcliffe Hall.

Corydalis lutea, D. C.—Wall at Worston, near Clitheroe.

Ervum hirsutum, Linn.—Banks, Croston Moss, plentiful.

Ornithopus perpusillus, Linn.—By the road from Pleasington Old Hall to the bridge over the Darwen, abundant.

Hypericum humifusum, Linn.—Bank by footpath between Fulwood Barracks and Sion Hill, plentiful.

Tragopogon porrifolius, Linn.—Gerarde says this plant "Growes not wild in England that I could ever see "or heare of, except in Lancashire upon the banks of "the River Calder, neere unto my Lady Heskith's house, "two miles from Whawley." I believe Martholme Hall is the house referred to by Gerarde, but I cannot say

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whether or not *T. porrifolius* is still to be found in its neighbourhood.

Cichorium Intybus, Linn.—Near the Old Hall, Winmarleigh, Mr. James Pearson of Rochdale.

Serratula tinctoria, Linn.—Hedge bank by a footpath leading from Farington Church towards Cuerden Park, near the latter place.

Carduus nutans, Linn.—By the side of the tram-road, and in many other places about Preston.

Senecio Saracenicus, Linn.—Mr. George Ward informs me that this plant grows on the Ribble bank, near Balderstone Hall, and in several other places in that neighbourhood.

Epipactis latifolia, Sw.—Sand hills near Lytham.

Carex cæspitosa, Linn.—By the Canal at Preston; marshes near Preston, frequent.

——— *fulva*, Gooden.—Pasture, through which a footpath passes, between the road and Cuerdale Wood.

Bryonia dioica, Linn.—This plant does not now grow at Wild Boar, St. Michaels, as stated in Part II.

Tamus communis, Linn.—Holme Lane, Wharles.

Myriophyllum spicatum, Linn.—Canal at Preston; ditches between Croston Moss and Bank Bridge; Canal at Bank Bridge; Mill Pool at Grimsargh very plentiful.

——————— *verticillatum*, Linn.—Ditch at Moss Farm, Croston, very abundant; pit by the River Lostock, between Croston Station and Bank Bridge; ditches between Croston Moss and Bank Bridge.

Hydrocharis morsus ranæ, Linn.—Bank Bridge.

Grammitis Ceterach, Swartz.—Wall at W[illegible] Clitheroe, and on other walls in that [illegible] occasionally.

Aspidium Oreopteris, Swartz.—Nab W[illegible]

Botrychium Lunaria, Swartz.—S[illegible] near Stone Quarry.

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ON THE FLORA OF PRESTON AND THE NEIGHBOURHOOD.

PART IV.*

By Charles Joseph Ashfield Esq.

READ 8TH DEC., 1864.

I AM indebted to the kindness of Miss Becker, lately residing at Altham near Accrington, but now at Ardwick, Manchester, for much of the information contained in the following paper, particularly with regard to the habitats of those two interesting plants, the *Impatiens noli-me-tangere* and the *Colchicum autumnale*, both of which I had the pleasure of verifying during the summer and autumn of 1864. I was unaware previously that either plant flourished in the Preston district. I have also to express my thanks to my former correspondents, Messrs. Henry Scott and George Ward, for information supplied by them.

Thalictrum flavum, Linn.—Ditches about Pilling, plentiful; in several places near St. Michael's; Moreton Woods, near Whalley—Miss Becker.

Anemone Pulsatilla, Linn.—(See Part III as to this plant).—Doubtless some mistake has crept in as to its reported Lancashire habitat. It appears that the Mr. Knowlton who, according to report, found the plant growing abundantly near Lancaster, on the road to Little Purton,

* See vol. x, p. 143. Vol. xii, p. 127. New Series, vol. ii, p. 75.

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was gardener to the Earl of Burlington, at Lonesborough (or as it is now written Londesborough), in Yorkshire; and the probability is, that he found the plant in question in that neighbourhood, and not near Lancaster. I have not been able to discover whether or not there is a place called "Little Purton" near Londesborough; but it is certain there is no such place in this county.

Trollius Europæus, Linn.—Wood between Sale Weel and Dinckley Hall; Worston, near Clitheroe—Miss Becker; plentiful in Livesey—Mr. George Ward.

Geranium phæum, Linn.—Simonstone lane—Miss Becker. Old lane in Barton near Preston, leading from Tunstead Farm to Broughton—Mr. Buller.

——— *lucidum*, Linn.—Wall near Portfield, Whalley—Miss Becker.

Impatiens noli-me-tangere, Linn.—In several places by the side of a stream in Simonstone.

Trifolium suffocatum, Linn.—This plant is stated in Part II to grow on the beach at Lytham, but I believe incorrectly; at any rate, I have not been able to meet with it there for several years.

——— *striatum*, Linn.—I believe this plant is occasionally to be found on the beach at Lytham. In 1862 I found a *Trifolium* there in considerable quantities, which I believe to be this; but it was so far past maturity, that I could not with certainty determine the species. I searched for the plant in the same place several times during the summers of 1864 and 1865, and did not find one specimen.

Ornithopus perpusillus, Linn.—Very plentiful in a corn-field at Rufford, by a watercourse from Martin Mere.

Rubus Chamæmorus, Linn.—I have never been fortunate enough to see this plant in blossom on Pendle Hill, or even to discover any vestiges of blossoms; but Miss

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Becker informs me that she gathered the plant in blossom there, a few years since. I received a letter from her on this subject, some time since, to the following effect—"I think you cannot fail to find the flowers of "the Cloudberry, if you will start from Sabden. The "route from the village to the summit of the hill leads "you through the tract where the plant grows in the "greatest luxuriance, and as I found it in flower there, I "do not see why you should not." I intended to search for the plant according to these instructions, but have not yet been able to do so.

Rosa tomentosa, Linn.—Hedges at Croston, and other places not far from Preston.

Circæa alpina, Linn.—In Grimeford lane, near Chorley—Mr. Henry Scott.

Cotyledon umbilicus, Linn.—Lucas lane, near Chorley—Mr. Henry Scott.

Sedum Telephium, Linn.—Hedge bank near Cherry Tree station—Mr. George Ward.

Ribes alpinum, Linn.—Hedges in Altham and Simonstone—Miss Becker.

Saxifraga granulata, Linn.—Meadows west of Blackburn, by the river side—Mr. G. Ward.

——— *tridactylites*, Linn.—Hedge bank near Portfield—Miss Becker.

Parnassia palustris, Linn.—Foot of Pendle Hill, near Pendleton Hall.

Galium mollugo, Linn.—This plant is stated in Part I to grow occasionally in hedges near Beacon Fell. I have not been able to meet with it there for several years past; but in August, 1864, I found it growing in a hedge between Hornby and Farleton.

Senecio Saracenicus, Linn.—South bank of the Ribble, below Mitton Church.

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Cichorium Intybus, Linn.—Corn field by the Tram-road near Preston.

Campanula latifolia, Linn.—Plentiful in a wood at Dinckley Hall; abundant in the woods about Whalley—Miss Becker.

——————— *patula*, Linn.—Miss Becker found a single specimen of what I believe to be this plant, by the side of a brook in Simonstone, in the summer of 1864.

Hottonia palustris, Linn.—Weeton Moss, and ditches in several places about Croston, very plentiful.

Primula farinosa, Linn.—Mearley Clough, Pendle Hill—Miss Becker.

Lithospermum arvense, Linn.—Corn field between Knot End and Pilling, plentiful.

Symphytum officinale, Linn.—Not unfrequent in ditches about Pilling, where it is really wild. The Penwortham and Preston localities named in Part I are doubtful ones.

Veronica peregrina, .—Miss Becker informs me that a solitary specimen of this plant made its appearance in her father's garden, at Altham, a few years ago. She also says "that it has now spread over the place, and "taken such complete possession of the ground, that it "comes up persistently in ever increasing numbers, year "after year, till it has established the character of a "troublesome weed." In a note received by Miss Becker from Professor Babington, he says that this plant is not a native, but as it is now establishing itself in many places, he describes it in the fifth edition of his Manual.

Mentha piperita, Sm.—Canal bank near Enfield, Portfield—Miss Becker.

Scutellaria galericulata, Linn.—Ditches about Pilling, occasionally; vitriol works at Altham—Miss Becker.

Galeobdolon luteum, Huds.—Plentiful in many of the woods

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on the banks of the Ribble, between Preston and Ribchester.

Oxyria reniformis, Campd.—On the rocks forming the west side of Clitheroe Castle hill, plentiful; but probably introduced.

Myrica gale, Linn.—Weeton Moss, plentiful.

Butomus umbellatus, Linn.—Canal, Altham—Miss Becker.

Sagittaria sagittifolia, Linn.—Canal, Enfield—Miss Becker.

Elodea Canadensis, Rich.—In several places in the canal north of Preston, abundant, especially near Nateby Hall.

Epipactis latifolia, Sw.—Wood at Dinckley; woods near Samlesbury Mill; Altham Clough, and occasionally in hedges in the neighbourhood—Miss Becker.

——— *palustris*, Sw.—Marshy place in Pleasington—Mr. George Ward.

Convallaria multiflora, Linn.—Altham—Miss Becker.

Maianthemum bifolium, D. C.—In May, 1863, I had a long but unsuccessful search through Dinckley Wood for this plant. (See Part III.)

Colchicum autumnale, Linn.—Meadow at Portfield, abundant.

Carex stellulata, Gooden.—Pendle Hill.

——— *extensa*, Gooden.—Banks of the Wyre, between Skippool and the Shard Ferry.

——— *dioica*, Linn.—Pendle Hill—Miss Becker.

Chära.—One or more of this family may be found in abundance in ditches between Knot End and Pilling.

Botrychium lunaria, Sw.—A solitary specimen of this plant was found between Barley and Sabden, a few years since, by Miss Becker.

Osmunda regalis, Linn.—Weeton Moss.

Polypodium phegopteris, Linn.—Hoghton Wild Bottoms; Dinckley Hall Wood; Churn Clough, Pendle—Miss Becker.

——— *Dryopteris*, Linn.—Hoghton Wild Bottoms.

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Allosorus crispus, Bernh.—Hameldon Scar, above Huncoat—Miss Becker.

Asplenium Filix-fœmina var: Rhœticum, Linn.—Hedge banks at Rufford, occasionally.

——— *Trichomanes*, Linn.—Wall near Portfield—Miss Becker.

——— *Ruta muraria*, Linn.—Wall near Portfield—Miss Becker.

Cystopteris fragilis, Bernh.—In a lane a little to the south-west of the Nick of Pendle; in Altham—Miss Becker.

NOTE.—Miss Becker remarks that she has not seen *Saxifraga tridactylites*, *Geranium lucidum*, *Asplenium Trichomanes* and *Ruta-muraria*, within many miles of their above-mentioned Portfield habitat. For this reason, although the plants are abundant in other parts of the district, the last-named station is considered worthy of mention.

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